

CERTIFICATE OF ANALYSIS

PRODUCT NAME: DESICCANT MASTERBATCH

PRODUCT CODE: RMY-MA 410

Product Information

It contains a highly effective moisture absorbent and is based on LLDPE.

General Description

Product is an innovative plastic dehumidifier agent that eliminates moisture in virgin and recycled LD, LLDPE, HM, PP, ABS, PA and PVC. The product is mainly used in injection molding, film line, sheets.

Notes

1. Product is designed to cope with the problems that caused by moisture during the processing of plastic products.
2. Raw materials may contain moisture such as hygroscopic polymers, fillers or pigments. The moisture could be caused by several reasons such as production environment, production type (underwater palletizing), storage environment or shipment environment such as sea freight.
3. Recycled polymers may also have moisture content. If the polymers are processed with the moisture content they contain, the moisture becomes porous and cause voids in molded outcomes or extruded sheet.
4. In film applications, moisture may cause film bubble breakage and spots on film which is described as "fish eyes" among operators and plastic business workers.
5. RMY-MA 410, holds moisture during plastic processing and allows higher levels of polymers' to get active.

TECHNICAL ANALYSIS

PROPERTY	TEST METHOD	UNITS	Value
Melt Mass – Flow Rate (190°C/2. 16kg)	ASTM D1238	g/10 mins	4
Ash Content	Internal – 550° C	%	80
Volatile Content	Internal – L.O.D. (110° C/9')	%	<0.03

Applications:

Cat No, *RMY-MA410* can be used for injection molding, extrusion and film preparation. The product contains a highly effective moisture absorbent for applications where no moisture is wanted.

Addition level:

The level of addition has to be adapted to the type and the duration of each application separately. The accepted/advised use percentage is 0.5-2.5 %

Storage:

It is recommended to store the material in a cool and protected environment. The product should be used within 12 months to maintain properties.



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